

PATENT ABSTRACTS OF JAPAN

(11)Publication 02-002390

n number :

(43)Date of 08.01.1990

publication of

application :

(51)Int.Cl.

C12P 21/02

C07K 13/00

C12N 15/16

// A61K 37/02

(C12P 21/02

C12R 1:91)

(21)Applicati 63-050871
on number :

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(22)Date of 03.03.1988
filing :

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(30)Priority

Priority number :

63 41633

Priority date :

23.02.1988

Priority country :

JP

(54) NOVEL STIMULATION FACTOR FOR HUMAN GRANULOCYTE
MACROPHAGE COLONY

(57)Abstract:

NEW MATERIAL: A human granulocyte macrophage colony stimulation factor specified by an amino acid sequence of from the 8th to the 128th amino acids in the amino acid sequence of formula (-S-S- bonds are present between the 55th and the 97th cysteines and between the 89th and the 122nd cysteines).

USE: A remedy for infectious diseases and immune-activation agent.

PREPARATION: For example, a plasmid having a gene of human granulocyte macrophage

colony stimulation factor(hGM-CSF) originated from human leukemia cell U937 strain (ATCC CRL 1593) is introduced into SG936 strain originated from E.coli K-12 strain to transform the E.coli. The transformed E.coli is cultured to obtain a reduced hGM-CSF. The product is oxidized with a redox system such as glutathione to form a two sets of disulfide bonds and obtain the objective hGM-CSF having the amino acid sequence corresponding to the 8th - 128th amino acids in the amino acid sequence of formula.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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